

H-ICS-7809-ISA Process Control Trainer

Purpose

The Hampden **Model H-ICS-7809-ISA** Process Control Trainer is designed for bench top use and supports the ISA self study text "*Process Control Fundamentals Package*".

Specifications

The system consists of the following:

Enclosure:

14-Gauge furniture stock steel finished in instrument tan texture.

Panel:

11-Gauge furniture stock steel finished in white enamel.

Feet:

Non-mar

Nomenclature:

Black Silkscreen Enamel.

Controller:

5 amp, 40 watts, single system microcontroller (PID) with RS-232 serial communications port with auto/manual operation and digital display.

Process:

Thermo-electric module rated 20 watt. The cold side of the module shall have an aluminum block bonded to it, complete with thermistor and insulating block. The hot side of the module shall have an aluminum block bonded to it, complete with thermistor, heatsink and cooling fan.

Thermistors:

20k Ω thermistor @ 25°C

10 μ A temperature range -35°C to +28°C

100 μ A temperature range +6°C to 69°C

Protection:

Main Electromagnetic circuit protector power switch and pilot light.

Fault System:

Six fault switches shall be located in the rear of the enclosure complete with locking hinged door.

Input:

120VAC Single phase 60Hz. Other voltages are available on request.

Courseware:

Operations and Maintenance Manual
Process Control Fundamentals Package
Bulletin 7809JS Jobsheet set



All Hampden units are available for operation at any voltage or frequency

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